



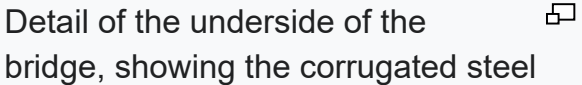
Bridge No. 90646

From Wikipedia, the free encyclopedia

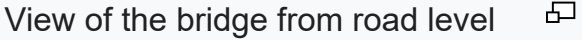
Coordinates: 44°54'42"N 93°20'2"W

Bridge No. 90646, also known as the **Wooddale Avenue Bridge**, is a multi-plate steel [arch bridge](#) that carries a local street over [Minnehaha Creek](#) in [Edina, Minnesota](#), United States. The bridge was listed on the [National Register of Historic Places](#) in February 2016.^[1]

The bridge is 21 feet (6.4 m) long, has a span length of 18 feet (5.5 m), and a width of 40.4 feet (12.3 m). It is faced with [Platteville limestone](#). The area was originally part of the [George W. Baird farm](#), but in the 1920s, much of the farmstead was sold off for development. In 1922 the [Edina Country Club](#) housing subdivision was platted, just north of the bridge and north of 50th Street. The Edina Country Club, west of the bridge, was opened in 1923, and other portions of Edina were being developed as well. As traffic increased, the original steel beam bridge was no longer sufficient to accommodate all the vehicles, so the city of Edina sought a replacement in 1937. On March 8, 1937, the Edina City Council accepted the proposal by Lyle Culvert & Pipe Company to build an [Armco](#) multi-plate arch bridge. The facing was proposed to be irregularly coursed boulder stone, designed in the [WPA Rustic](#) style. Construction began in May 1937, but in July 1937, the design of the stone facing was changed from boulder stone to limestone. This was done to harmonize with the limestone veneer on the nearby St. Stephen's Episcopal Church. The construction schedule did not appear to be set back. Construction was largely complete in August 1937, and a city newsletter published in September 1937 shows the completed bridge.^[1]



increasingly rare. A 1988 survey found 35 surviving multi-plate arch bridges in the state, but in 2014, only eight of these bridges were left.^[1]




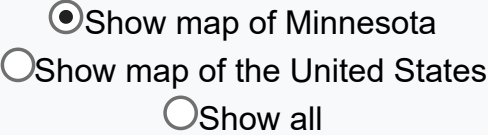
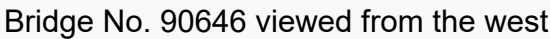
The multi-plate arch bridge design was introduced in 1931 by the Armco Culvert Manufacturer's Association. The plates are made of galvanized [corrugated steel](#), manufactured in curved segments, and assembled on site to build an arch. The corrugations, about 6 inches (150 mm) wide and 1.5 inches (38 mm) deep, formed a very strong bridge. The multi-plate arch design was popular in the 1930s as an alternative to [reinforced concrete](#) slab-and-girder construction for bridges with a short span. The bridge could also be assembled by unskilled labor, and the stone masonry was labor-intensive, so the [Works Progress Administration](#) was able to employ a number of people in its construction. While many multi-plate arch bridges were built in Minnesota during the [Great Depression](#), bridges of that type are

See also [\[edit source \]](#)


- [National Register of Historic Places listings in Hennepin County, Minnesota](#)

References [[edit source](#)]

1. ^ [a b c](#) Kelli Andre Kellerhals and Gregory R.Mathis, Sr. (May 2, 2014). "[National Register of Historic Places Registration Form: Bridge No. 90646](#)"   (PDF). Archived from [the original](#)   (PDF) on December 26, 2015. Retrieved 2016-02-12.



Location 4400 W. 50th St.,
Edina, Minnesota

Coordinates  44°54'42"N
93°20'2"W

Area 0.02 acres (0.0081 ha)

Built 1937

Built by Works Progress
Administration

Architect Lyle Culvert & Pipe
Company

MPS Iron & Steel Bridges in
MN, 1873-1945

NRHP reference No. 15001016 

Added to NRHP February 2, 2016

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